



Lloyd's Register Approved Service Supplier

Supplier **Metalock do Brasil Ltda**
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The above company having been assessed hereby receives approval in accordance with the requirements of Lloyd's Register Procedures for Approval of Service Suppliers as Supplier from the address(es) listed above for the provision of

Maintenance, thorough Examination, Operational Testing, Overhaul and Repair of Lifeboats and Rescue Boats, Launching Appliances and Release Gear
<p>List of service engineers:</p> <p>Mr. Anderson Santos - Supervisor Mr. Alessandro Rodrigues - Technician Mr. Diego Aguiar de Souza - Technician Mr. Gabriel Costa - Technician Mr. Heric Lima Bezerra - Technician Mr. João Victor - Technician</p> <p>Service supplier's personnel are certified in accordance with manufacturer' established certification programme. The service supplier is authorised to work on the makers and types shown in the attached Appendix A.</p> <p>This Service Supplier has been approved to service the equipment in accordance with IMO Resolution MSC.402(96), as amended.</p> <p>Service engineers are to be provided with a valid Certificate, issued by this Approved Service Supplier, which defines their level of qualification and the scope of the certification (i.e. makes and types of equipment and specifically state which activities (e.g. annual thorough examination and operational tests; 5-year thorough examination, overhaul; overload operational tests; repairs) are covered by the certification). This Certificate should be made available when requested.</p>

Roberto Enciso
Senior Surveyor to Lloyd's Register Do Brasil Ltda
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Rua da Gloria, 311-11, Rio de Janeiro, Andar, 20.241.180, Brazil

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This approval is conditional upon the Supplier maintaining the documented scheme as audited by any member of the Lloyd's Register Group and hereby approved; and notifying Lloyd's Register in writing of any change to that scheme including any change in personnel, equipment or procedures. This certificate is issued to the Supplier and, subject to the Supplier complying with the necessary conditions, is valid to the date referred to above.

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	Make/Manufacturer	Model/Series
1	DAVIT INTERNATIONAL GmbH, Germany (includes following brand names of origin: davit international-hische GmbH d-i Hische GmbH davit international BV)	<p>Cranes/Davits/Hook: C-F series crane for freefall boat, C-S series crane for boat handling, D-F series free-fall davit, D-TF series free-fall davit, D-FHLFG series free-fall davit, D-RT series roller track davit on roller track davit, D-FO series fixed offshore davit D-NP. series, excl. D-NP.MP and D-NP.SP series normal Qivot davit, D-BC series boat davit, D-BR series boat davit, D-CL series rescue boat davit, D-CR series rescue boat davit, D-N PS.SP series rescue boat davit, D-SR series rescue boat davit, D-RC series raft handling davit, D-RB series raft handling davit, RH series rescue boat hook, OLH series rescue boat hook, OLRH series liferaft hook</p> <p>Including: Sezamor HS series liferaft hook; Palfinger ARH and CAR series; liferaft rescue boat hook; T-ISS PX series liferaft & rescue boat hook</p>
2	FAASMER, Germany	<p>Fassmer Davit launched totally enclosed Lifeboats: GMR 5.9, TGMR 5.9 Tanker Version, GMR 6.5, TGMR 6.5 Tanker Version, GMR 7.4, TGMR 7.4 Tanker Version, GMR 8.3, TGMR 8.3 Tanker Version, CLR-C 5.9, CLR-T: 5.9 Tanker Version, CLR-C 6.4, CLR-T 6.4 ,anker Version, CLR-C 6.8, CLR-T 6.8 Tanker Version, CLR-C 7.2, CLR-T 7.2 Tanker Version, CLR-C 7.6, CLR-T 7.6 Tanker Version, CLR-C 8.1, CLR-T 8.1 Tanker Version, CLR-C 8.5, CLR-T 8.5 Tanker ,ersion, CL-C 8.9, CL-T: 8.9 Tanker Version, CL-C 9.4, CL-T 9.4 Tanker Version, CL-C 9.8, CL-T 9.8 Tanker Version, CL-C 10.2, CL-T 10.2 Tanker Version, CL-C 10.7, CL-T: 10.7 Tanker Version, CL-C 11.1, CL-T 11.1 Tanker Version, CL-C 11.5, CL-T 11.5 Tanker Version, CL-C 11.9, CL-T 11.9 Tanker Version, CL-C 12.4, CL-T 12.4 Tanker Version, CL-C 12.8, CL-T 12.8 Tanker Version, CL-C 13.2, CL-T ,13.2 Tanker Version, CLX 8.5, CLX 10.0, CLX 11.7, CLX 12.8</p> <p>Fassmer Freefall Lifeboat: CFL 4.9, CFL-T 4.9 Tanker Version, GAR 6.0, GAR-T 6.0 Tanker Version, GAR 6.8, GAR-T 6.8 Tanker Version, GAR 6.7, GAT-T 6.7 Tanker Version, GAR 7.4, GAR-T 7.4 Tanker Version, GAR 8.1, GAR-T 8.1 ,Tanker Version, GAR 7.7, GAR-T 7.7 Tanker Version, GAR 8.5, GAR-T 8.5 Tanker Version, CFL-C 66, CFL-T 66 Tanker Version, CFL-C 72, CFL-T 72 Tanker Version, CFL-C 77, CFL-T 77 Tanker Version, CFL-C 83, CFL-T 83 Tanker Version</p> <p>Fassmer Partially enclosed Lifeboats: CL-P 5.9, CL-P 6.4, CL-P 6.8, CL-P 7.2, CL-P 7.6, CL-P 8.1, CL-P 8.5, CL-P 8.9, CL-P 9.4, CL-P 9.8, CL-P 10.2, CL-P 10.7, CL-P 11.1, CL-P 11.5, CL-P 11.9, CL-P 12.4, CL-P 12.8, CL-P 13.2, SEL 8.15, SEL 8.8, SEL 9.6, SEL 10.5, SEL 10.55, SEL 11.80, SEL 12.5, SEL-R 8.15, SEL 15.75, SEL-T 10.75</p> <p>Tenderboats: TL Limo 1100, SEL-T 11.0, SEL-T 11.7, SEL-T 12.3, SEL-T 14.0, SEL-T 14.7, SEL-T 15.75, PLL 1099, PLT-EVO 170</p> <p>Fassmer Partially enclosed lifeboat, tenderboat and rescueboat: SEL-RT 7.7, SEL-RT 7.5, SEL-RT 8.5</p> <p>Fassmer Partially enclosed Life- and Crew : SEL 11.0 (-T)</p> <p>Fassmer Partially enclosed Life-/Rescue-/Work-/Tender- Boats: SEL-R 7.4, SEL-R 8.5</p> <p>Fassmer High-performance tender: SFB 10.1</p>

		<p>Fassmer Rigid Rescueboat: RR 4.2, RR 4.2-M, RR 4.5 ID</p> <p>Fassmer Rescueboat: RIR 625 ID</p> <p>Fassmer Fast Rigid Rescueboat: FR (I)R 6.1, FR (I)R 6.1 ID, FRR 6.2 ID, FRR 6.5 ID-SF, FRR 6.6 ID, FRR 7.0 ID-SF, FRIR 6.25, FRR 7.0</p> <p>Fassmer Offload rescue boat hook: FOH 27, FOH 30, FOH 70</p> <p>Fassmer onload release gear Duplex: 25E2, 2.5E, 50E2, 5.0E, 60E2, 6.6E, 10E, 140E2, 14E, 17E, 180E2, 230E2, 23E</p> <p>Fassmer Fassmer Hydraulic Davit: FHD 80, FHD 100, FHD 120, FHD 130, FHD 150, FHD 170, FHD 172, FHD 280, FHD 450</p> <p>Fassmer Hinged Davit: FHDY 100</p> <p>Fassmer Freefall Davit: FFH 45, FFH 65</p> <p>Fassmer Pivot Davit: FPD 55, FPD 60, FPD 100, FPD 80, FPD 120, FPD 150, FPD 170, FFD D60,</p> <p>Fassmer Freefall Davit: FFH 49, FFH 50, FFH 60, FFH 66, FFH 70, FFH 72, FFH 75, FFH 77, FFH 80, FFH 83, FFH 85, FFH 90</p> <p>Fassmer Freefall Ramp: FLR 49, FLR 66</p> <p>Fassmer Freefall Ramp: FLR 8005, FLR 8006, FLR 8007</p> <p>Fassmer Multi Pivot Davit: FMPD 100, FMPD 130, FMPD 150, FMPD 160</p> <p>Fassmer Outrigger davit: FOD 100, FOD 120, FOD 130, FOD 150, FOD 170, FOD 190, FOD 40R, FOD 50, FOD 55, FOD 80, FOD LBC 300, FOD SAR 40, FOD-R 22, FOD-R 23, FOD-R 25, FOD-R 40, FOD TC 450</p> <p>Fassmer Rescue Boat Davit: FOSV 71, FSAH 22</p> <p>Fassmer Rescue Boat Crane: FSAH 28, FSAH 32, FSAR 14, FSARR 14/3.5 HS, FSAR 21, FSARR 22/4.0HS-M, FSAR 28, FSAR 40</p> <p>Fassmer FRC crane: PRHE 30</p> <p>Fassmer Fassmer Winch: DEW 40, Winch DEW 85, Winch DEW 2000</p> <p>Fassmer Fassmer Winch/ rescue boat crane: DEW 8, FWD 40 RB</p>
3	Fassmer-Marland Ltd. [ex. Hai Hong Boat Making Co., Ltd. (Guangzhou)], China	<p>Fassmer-Marland Davit launched totally enclosed lifeboat: DRAGON 26C, DRAGON 26T Tanker Version, DRAGON 32C, DRAGON 32T Tanker Version, DRAGON 38C, DRAGON 38T Tanker Version, GMR 6.5, GMR-T6.5 Tanker Version, GMR 7.4, GMR-T7.4 Tanker Version, HH57C (Hai Hong type), HH57T (Hai Hong type) Tanker Version, HH65C (Hai Hong type), HH65T (Hai Hong type) Tanker Version, HH70C (Hai Hong type), HH70T (Hai Hong type) Tanker Version, CLR-C5.9, CLR-T5.9 Tanker Version</p> <p>Fassmer-Marland Freefall lifeboat: GAR 6.7, GAR-T6.7 Tanker Version, GAR 7.4, GAR-T7.4 Tanker Version, CFL-C49(E), CFL-T49(E) Tanker Version, CFL-C66(E), CFL-T66(E) Tanker Version, CFL-C72(E), CFL-T72(E) Tanker Version, CFL-C77(E), CFL-T77(E) Tanker Version, CFL-C83(E), CFL-T83(E) Tanker Version</p> <p>Fassmer-Marland Rigid rescue boat: RR4.2 / RR4.2-M, RRH4.2, RR4.2 ID</p> <p>Fassmer-Marland Fast rigid rescue boat: FRR6.1 ID, FRR6.2 ID</p> <p>Fassmer-Marland Onload release gear: Duplex 2.5, Duplex 2.5E, Duplex 25E2, Duplex 5.0, Duplex 5.0E, Duplex 50E2, HH43 (Hai Hong type),</p> <p>Fassmer-Marland Pivot davit: FPD-D60, FPD-D68, FPD-DH68, SRH70</p>

		<p>Fassmer-Marland Freefall davit: FFH49, FFH49D, FFH66, FFH66D, FFH72, FFH77, FFH83</p> <p>Fassmer-Marland Freefall ramp: FLR49, FLR66, FLR72</p> <p>Fassmer-Marland Rescue boat crane: FSAR 14/3.5HS, FSARR 14/3.5HS, FSAR 4.0/3.5HS, FSAR 21/4.0HS, FSARR 21/4.0HS, FSARR 22/4.0HS, FMAH 22KN, FSAR 25</p> <p>Fassmer-Marland Winch for pivot davit: DEW 15-24, DEW 15-35, DEW 15-44, D52L/D52R, DW34S/DW34Z, MW50/MW50C for davit FPD-D60</p> <p>Fassmer-Marland Winch for freefall davit: FW35</p> <p>Fassmer-Marland Winch for rescue boat crane: DEW 150, DEW 450, RZ25</p> <p>Davit launched totally enclosed lifeboat: HH57C (Hai Hong type), HH57T (Hai Hong type) Tanker Version, HH65C (Hai Hong type), HH65T (Hai Hong type) Tanker Version, HH70C (Hai Hong type), HH70T (Hai Hong type) Tanker Version</p> <p>Onload release gear: HH43 (Hai Hong type) Hai Hong Boat Making Co., Ltd. (Guangzhou): HH 57C, 57T; HH 65C, 65T; HH 70C, 70T</p>
4	Global Davit GmbH, Germany	<p>Lifesaving craft launching and recovery appliances: Liferaft handling Lms/Lgp/lhs/lht Rescue boat handling (single point suspended) Rms /Rhs /Rhp /Rht Fast rescue boat handling Rhp HC /Rhs HC Freefall lifeboat handling Fhs Life-rescue boat handling (2-point suspended): G(l/s)p FP IG(II51P MP IG(I/511> FPh IGCl/s/P FLh/Gil/sJI> TTh</p> <p>Winches: Liferaft/Rescue boat handling (Single drum): W01E. W01M W02E W02M \MI4E W04M vweE W08M Fast rescue boat Winches W05 HC W06 HC W8 HC W14 HC Life-/Rescue boat handling winches (two-drum): W04L/R \MI7L/R W10LIR W14L/R W20L/R W26L W36L Freefall-lifeboat handling winches W02H W06H</p> <p>Release gear: Off-load release- HRN 12 HRN 28 Combined Off-load/Automatic release type HRL 26</p>
5	HATECKE, Germany	<p>(Fast) Rescue Boat: RBAB, RBAB Duplex, RBABFH, RBIB, RB/FRBAB FH</p> <p>Launching Appliance: FFA, FFALP, FFB, Gsp.0, GspFP, Gxp.FLH, W07, W10, W26</p> <p>Lifeboat: GFF, GFF-T, GSAR, GSL, GSL-T</p> <p>Release gear: Duplex2.6, Duplex3.0, Duplex3.5, Duplex 4.3 / 4.6, Duplex6.0, GFF-R-10, GFF-R-11, ' GFF-R-8, RAFTI 2.5, Simplex 2.0 Off-Load, Simplex 2.0 to, i Simplex 2.0i, l Simplex 3.0, Simplex4,3, Simplex6.0</p>
6	HLB Co., Ltd. & BADA Heavy Industries Co., Ltd	<p>Types of products manufactured by HLB (ex.Hyundai Lifeboats) Co., Ltd.</p> <p>Lifeboat & Rescue Boat: Series of HD, HT, HDL, HLB; HDF, HDFL, HDFN; HOR & HDFR</p> <p>Release Mechanism: Series of THP, Talon & Talon II</p>

		Types of products manufactured by BADA Heavy Industries (ex,D.R.M) Co., Ltd. Davit: Series of DRM, BDH, BDTD, BDHP, BDTW, BDRW, BDM & BFOD Series of HDFL, HOF, BDF; BDR, BDH, BDA, BDFA; BDL, BDR, BLR & BHI Winch: Series of ORM, DRBW, BAW, BDF, BHI, BLW, BMW, BRW, BWL, BWR, FHW & RLD Release Mechanism: Series of BDR, BHA & BHR
7	HOEI SENPAKU CO. LTD	Lifeboat & release gear models: HS650, HS650F, HS520, HS520F, SO, SM, FO, FM
8	JAPAN MARINE UNITED CORPORATION, Japan	Gravity & Free fall lifeboat: Series GF, GT, TC, S, G, MU-FN, MU-FF Gravity & Free fall davit: Series of MUL, MUF Winch Series of MUW Rescue boat series of MU-GI; Rescue boat davit: Series of MUR Others: JY series of Jiangsu with JMU nameplate with JG shop inspection approval certificate;
9	JIANGSU JIAOYAN MARINE EQUIPMENT CO.,LTD (Ex Jiangyin Xinjiang F.R.P), China	Free fall lifeboat: JY-FN-4.9/JY-FF-4.9/JY-FN-5.8/JY-FF-5.8, JYM-fN-6.65/JYM-fF-6.65/JY-fN-6.8/JY-f F-6.8, JY-FN-7 .5/JY-FF-7.5/ JY-FN-8.5/JY-FF-8.5/ JY-FN/FF-9.S Rescue boat: GJ4.2/GJ4. 25/GJ4.S/GJ5.0/GJ5 .25/GJ6.0B-1/GJ6.10, GJ7 .50/GJ8.0Q-2/GJ8.5Q-2 Totally enclosed lifeboat: JY-QFP /N-5.0/JY-QFP /N-5. 25/JY-QFP /N-6.0A, JY-QFP /N-6.50/JY-QFP /N-7 .0/JY-QFP /N-7 .5/JY-QFP /N-7 .50A, JY-QFP /N-8.00/JY-QFP /N-8.50/JY-QFP /N-8.50X, JY-QFP /N-9.35/JY-QFP /N-10.90A Hook: JX and JXN Series Gravity fuffing arm type davit: JYL52/JYL55/JYL65/JYL85 /JYL105/JYL135 Launching appliance: JYF55/JYF75/JYF75-B/JYF90 Platform Davit: JYP65/JYP85/JYP105/JYP135 Single arm davit: JYR21/JYR21S-A/JYRC21/JYR14/JYRH14 JYRH21/JYR26/JYR30/JYR23 Electric Boat Winch: FW45/JYW42/JYW50/JYW70 JYW100/JYWP70/JYWP100/JYWP135/JYW35/JYR221
10	IKNOW Machinery Co. Ltd. (ex Tsuji Heavy Industry), Japan	Davit models: H, T, TC Winch: EB, TC, OAP
11	NISHI-F CO., LTD., Japan	Lifeboat, Freefall lifeboat, rescue boat and release gear manufactured by: NISHI-F CO. LTD., NISHI-NIPPON F.R.P. SHIPBUILDING CO. LTD. ISHIHARA DOCKYARD CO. LTD., models G-series, ML-series, F-series.
12	ORIENTAL Precision and Engineering, Korea	HINGED GRAVITY TYPE DAVIT & WINCH DAVIT : HGD SERIES, HGK SERIES, SHS SERIES, RTD SERIES, DHA SERIES, OMA SERIES WINCH : BWE SERIES, SWE SERIES, WL SERIES FREE FALL DAVIT & WINCH: FD SERIES, WL SERIES RESCUE I LIFERAFT DAVIT & WINCH: RD SERIES, ROW SERIES

13	QINGDAO BEIHAI, China	<p>Lifeboat models: Total enclosed BH-5,5A,5S,5SA,E500,E585,6,6A,6S,E670, 7 A, 7B,8.; Free fall BH F6.0,F7.0A,F7.8,F8.1,F5.8,F6.8, F660,F670,F750,F900A; Rescue BH-R4,R4S,R4SA,R5S,HR6,HR7</p> <p>Davit: Gravity Pivot BD-PV50,PV60,PV60S,PV85,PV125; Davit Freefall launching BD-FF55,55A,55R,FF80,80A,80R, 80B,FF65/66/67,FF85; Single arm BD-SA14/A/B;21/ A;23/30/ A;33,SH23,FA36,RBD966</p> <p>Winch: BW-H(L/R)31,50,63, 75;L(L/R)75,125;SC14;21</p> <p>Release Mechanism: Gravity lifeboat: BG-3,3L, BG-7;BB-HOO:K3,HOOK5,FSS,FS7 Freefall lifeboat: BG-3.5F,4F,4.5F,4.5FL,5F,6F Rescue boat: BG-2R,15KNXS,25KNXS,35KNXS</p>
14	SEKIGAHARA SEISAKUSHO CO. LTD., Japan	<p>Gravity type davit: SH, SFB, SHS, STS, SSS Free-fall lifeboat davit: SFS,SFA,SFB, SFC,SFD Rescue boat davit: SJS, SJR Winch: SNW,SWE</p>
15	SHIGI Shipbuilding Co. Ltd.	Models: SZ series, FEL series, VOX series, GARDS series, OPEN type
16	CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Co. Ltd.	All makes and types produced by this maker
17	MANSEI INC. (Mansei Industry Co., Ltd.) & MIURA MACHINE CO., LTD (Miura Vider Co., Ltd)	<p>Types of products manufactured by MANSEI INC. Davits: Series of "EBD-", "EM-", "ABD-", "AH-", "AT-", and "AV-" Series of "EH-", "ET-", "EV-", "M-", and "CM-" Series of "D-FH.", "DE-FH.", "MFE-", and "MFH-" Series of "SR-", "SRE-", "R-", "S-", "RD-", and "EHR-" Winches: Series of "EBW-", "ABW-", and "AW-" Series of "EW-", "MW-", and "CMW-"; Series of "06.", and "FW-" Series of "SW-", "RMW-", "MLW-", and "ERW-" Release hooks: Series of "RH-"</p> <p>Types of products manufactured by MIURA MACHINE CO.,L TD. Davits: Series of "SP", "MVD", "GRA", and "SAR" Winches: Series of "BH", "BE", and "BA"</p>